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Dep	ot. & Div. <u>ILL EPA-MPCP</u> Inspe	ector <u>Say c</u>	Inspected 3/23/8
Min	ne Name FIDELITY *// Min	ie Company FRE	EMASONTROL', PROGRAMAL (
IEP Per	PA M&M mit No.)	County PERRY
Gen	neral Location APPROXIMATELY 5	MILES U	JEST OF DU Quein
Arr	rival Time 1130 Am Weather Conditions	<u> </u>	oudy windy
Mir	ne Includes Prime Land Yes/ No eep Slope Rule Applies Yes/ No al Preparation Yes/ No	Persons Contact	t: ROUTINE ed: LTON- RECL. SUPERVIS TH - PERMIT MAN
PAF	RAMETER CHECKLIST	Bicc Sair	vii felemi. mign
1.	Availability of: A permits B Plans		
2.	Imminent Danger to Public Health and Safety	7	TEMPORARY REPORT
3.	Significant Imminent Environmental Harm		FINAL REPORT
4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation G. not investigated H. not applicable			
5.	Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: (A) gob disposal 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved D. slope of site E. steep slope rules F. valley fill or head of hollow fills: 1. permit area 2. location near ridge top 3. fill design 4. fill construction 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement 9. engineer inspection (G) not investigated H. not applicable		
6.	Soil Handling: A. removal before other disturbance B. storage C. protection D. thickness E. root medium F. other overburden G. toxic material handling H. root medium satisfactory for top soil replacement (slope, thickness, texture) I. topsoil replaced J. grading current K. rills and gullies L. erosion control systems M. timely revegetation and mulching not investigated O. not applicable		
7.	Prime Land: A. prime land determination B. soil horizon removal prior to other disturbance C. thickness removed D. approved horizon storage E. protection of stockpiles F. horizon replacement and thickness G. protection of replaced horizons H. grade not investigated J. not applicable		
8.	General Water Quality and Hydrology: A. waterways Quanaffected area drainage diverted affected area drainage ditches and berms 3. system maintenance B. grading C. vegetation D. toxic material E. horizontal boreholes Sediment ponds: 1. size 2. structure 3. spillway 4. clean out 5. over 20' high or over 20 acre feet storage (_yes/_ no) 6. seepage 7. structural weakness 8. discharge structure 9. chemical treatment system 9. (a). permittedyes/_ no discharge water quality H. buffer zone (100') observance I. zone markers O. NPDES permits requiredyes/_ no K. water quality L. not investigated M. not applicable		

EPA Region 5 Records Ctr. 324305

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Mine Name 9	FIDELITE X//
PITTE NAME	

- 9. Stream Channel or Other Later Diversion: A. temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures N. not investigated O. not applicable
- 10. Road Hydrology: A. culverts ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
- 11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure (K.) not investigated L. not applicable
- 12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated H. not applicable
- 13. Preparation Facility (includes crushing and screening): (A) water circuit 1. open system 2. closed system 3. no water circuit (B) slurry impoundment berm stability a.) seepage (b.) vegetative cover (c) freeboard 2. acid producing potential C. not investigated D. not applicable
- 14. Domestic Wastewater Treatment Facilities: A. type of system 1. activated sludge package plant 2. lagoon sandfilters 3. septic tank w/sand filters 4. other B. sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator E not investigated F. not applicable

LEGEND: O = parameter inspected:

Ø = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

NO VIOLATIONS FOUND

SEE ATTACHMENT

Indicated Parameter

Comments or Action Taken

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ATTACHMENT

Freeman United Coal Company Fidelity #11 May 23, 1985

GENERAL COMMENTS: During the investigation, I was accompanied by Glen Hamilton, Reclamation Supervisor, and we both observed where five used transformers were laying on the ground and two of which were tipped over on their sides. One of the transformers had leaked fluid so I obtained a sample of the contaminated ground where the fluid had spilled. I prepared the sample and shipped it to this Agency's Springfield Lab for analysis. It is this Agency's policy to assume that transformer fluids contain P.C.B.'s unless proven otherwise through sampling. The results of the sample I obtained indicated less than .5 parts per million P.C.B.'s. At this time, clean-up is not necessary.

Bill Smith, Permit Manager, asked if I've had the opportunity to review an application recently submitted by Freeman, regarding the continuation of refuse disposal in the present final cut pit. I told Mr. Smith that I did look at the application and from what I could ascertain, the Agency probably wouldn't have any problems in issueing a supplement permit for the refuse disposal area.

 $\overline{8A2}$: I observed the sites affected area drainage ditches along the eastern and southern portions of the site and it appears that the ditches transport all of the surface runoff water to the sediment pond on the southern section of the site (NPDES Discharge #005). The ditches do not appear to be well vegetated, but since they will be mined through in the near future may only need some straw bales to help reduce the sediment load in the pond.

8F: I observed the sites two NPDES permitted sedimentation ponds both of which were discharging during this visit. Discharge 002, located along the eastern section of the site, was discharging in excess of 200 gallons per minute and the water appeared very clear, therefore no sample was obtained.

8G: I obtained an effluent sample and prepared and shipped it to the Agency's Champaign Regional Office Lab for analysis. The results of the analyses are listed below:

Sample #2 - obtained from the channel spillway of the southern sedimentation pond (NPDES Discharge 005). The pond was discharging at approximately 200 gallons per minute and the water sample appeared clear.

Lab #B542767

Total Iron	0.1 mg/1	Susp. Solids	7 mg/l
Manganese	0.46 mg/l	рН	8.2
Chlorides	16.0 mg/1	Alkalinity	199 mg/l
Sulfates	1057 mg/1	Total Acidity	0
	_	ROE	1690 mg/l

Freeman United Coal Company Fidelity #11 Attachment Page 2

8J: This site is permitted under NPDES Permit IL0000302. Note: All DMR's have been submitted in accordance with permit conditions.

13B: According to Mr. Smith, Freeman is going to propose another slurry impoundment to be located west of the present impoundment. This is necessary because the present impoundment is reaching capacity and does not have too much life expectancy at this point.

13Bl: The outside slopes of the slurry impoundment appear to be well vegetated which provides some soil stability. It does not appear that any further sloughing has occurred for quite some time now.

Gary L. Minton

Lay L Monton

Environmental Protection Specialist

GLM:br 7/30/85

cc: MPCP/Records Unit

IDMM

WPC 129 REV 3/78

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* ILLINOIS INVIRONMENTA * FOLYCHLORINATED BIFE	
The No. COUNTY THE OO	Collector GARY L MINTON
ERRY	Time Collected 2 PM
Address or Location FREEMAN UNITED CORL	Date Collected 5/23/85
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